



**COUNTY OF ERIE  
DIVISION OF PURCHASE  
MEMORANDUM**

**To:** All Using Departments

**From:** Jamie Kucewicz, Buyer

**Date:** January 14, 2015

**Subject:** HVAC FILTERS

**Bid No.:** 213085-002

**Effective Dates:** Extended through February 1, 2016

**Vendor #:** 118202

**Vendor:** E. M. CAHILL CO.  
519 South Wilbur Avenue  
Syracuse, NY 13204

**Contact:** Chris Buchnowski

**Telephone:** 716-860-0675

**FAX:** 315-472-5051

**Pricing:** per attached document



RECEIVED JAN 09 2015

## COUNTY OF ERIE

MARK C. POLONCARZ  
COUNTY EXECUTIVE

## DIVISION OF PURCHASE

VALLIE M. FERRARACCIO  
DIRECTOR

January 7, 2015

E.M. Cahill Company, Inc.  
519 South Wilbur Avenue  
Syracuse, NY 13204  
Attn: Chris Buchnowski

Re: Bid #213085-002 - "HVAC Filters"

Dear Mr. Buchnowski:

The County of Erie wishes to extend this agreement for an additional contract period through February 1, 2016 under the same prices, terms and conditions as the original agreement.

Extension is provided for per paragraph 19 of the bid specifications. This offer is for your immediate consideration and acceptance. Please indicate below whether you agree to extend or do not wish to extend. Please respond within seven days upon receipt of this request.

After approval and execution by the County, a fully signed copy will be returned to you for your files.

☒ Yes, I agree to extend ☐ No, I do not wish to extend

Company Name: E.M. Cahill CompanyRepresentative (Please print): Chris Buchnowski Title: Sales EngineerSignature: [Signature] Date: 1-13-15

Sincerely,

[Signature]  
James D. Kucewicz  
Buyer[Signature]  
Vallie M. Ferraraccio  
Director of Purchase1/14/2015  
DATE

**COUNTY OF ERIE****MARK C. POLONCARZ  
COUNTY EXECUTIVE****DIVISION OF PURCHASE****INVITATION TO BID**

Bids, as stated below, will be received and publicly opened by the Division of Purchase in accordance with the attached specifications. Bids must be submitted in a sealed envelope to:

County of Erie **FAX BIDS ARE ACCEPTABLE 716-858-6465**  
Division of Purchase  
Attention: JAMIE KUCEWICZ, BUYER, 716-858-6336  
95 Franklin Street, Room 1254  
Buffalo, New York 14202-3967

**NOTE:** Lower left hand corner of envelope **MUST** indicate the following:

BID NUMBER: 213085-002

OPENING DATE: 1-28-13

TIME: 2:30 PM

FOR: HVAC FILTERS

E M CAHILL CO  
519 SOUTH WILBUR AVE  
SYRACUSE NY 13204

NAME OF BIDDER: \_\_\_\_\_

If you are submitting other Invitations to Bid, each bid must be enclosed in a separate envelope.

Following EXHIBITS are attached to and made a part of the bid specifications, and part of any agreement entered into pursuant to this Invitation to Bid:

- |   |   |
|---|---|
| <input type="checkbox"/> EXHIBIT "A"                | - Assignment of Public Contracts                            |
| <input checked="" type="checkbox"/> EXHIBIT "B"     | - Purchases by Other Local Governments or Special Districts |
| <input type="checkbox"/> EXHIBIT "C"                | - Construction/Reconstruction Contracts                     |
| <input type="checkbox"/> EXHIBIT "D"                | - Bid Bond (Formal Bid)                                     |
| <input type="checkbox"/> EXHIBIT "E"                | - Bid Bond (Informal Bid)                                   |
| <input type="checkbox"/> EXHIBIT "F"                | - Standard Agreement  |
| <input checked="" type="checkbox"/> EXHIBIT "G"     | - Non-Collusive Bidding Certification                       |
| <input type="checkbox"/> EXHIBIT "H"                | - MBE/ WBE Commitment                                       |
| <input type="checkbox"/> EXHIBIT "IC"               | - Insurance   |
| <input type="checkbox"/> EXHIBIT "P" & EXHIBIT "PB" | - Performance Bond  |

(Rev. 7/95) ERIE COUNTY OFFICE BUILDING, 95 FRANKLIN STREET, BUFFALO, NEW YORK 14202 (716) 858-6395

EXHIBIT "G"

**County of Erie**  
**DIVISION OF PURCHASE**  
**NON-COLLUSIVE BIDDING CERTIFICATION**

By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that to the best of his knowledge and belief:

- (1) the prices in this bid have been arrived at independently without collusion, consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or any competitor;
- (2) unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the bidder and will not knowingly be disclosed by the bidder prior to opening, directly or indirectly, to any other bidder or to any competitor; and
- (3) no attempt has been made or will be made by the bidder to induce any other person, partnership or corporation to submit or not to submit a bid for the purpose of restricting competition.

**NOTICE**

(Penal Law, Section 210.45)

IT IS A CRIME, PUNISHABLE AS A CLASS A MISDEMEANOR UNDER THE LAWS OF THE STATE OF NEW YORK, FOR A PERSON, IN AND BY A WRITTEN INSTRUMENT, TO KNOWINGLY MAKE A FALSE STATEMENT, OR TO MAKE A FALSE STATEMENT, OR TO MAKE A STATEMENT WHICH SUCH PERSON DOES NOT BELIEVE TO BE TRUE.

**BID NOT ACCEPTABLE WITHOUT FOLLOWING CERTIFICATION:**

Affirmed under penalty of perjury this 24<sup>th</sup> day of January, 20 13  
TERMS NET 30 DELIVERY DATE AT DESTINATION Full Freight Allowed  
FIRM NAME E. M. Cahill Company Inc.  
ADDRESS 519 S. Wilbur Ave  
Syracuse, N.Y. ZIP 13204  
AUTHORIZED SIGNATURE Chris Buchnowski  
TYPED NAME OF AUTHORIZED SIGNATURE \_\_\_\_\_  
TITLE Sales Engineer TELEPHONE NO. 716-860-0675

(Rev. 4/1/93)

ERIE COUNTY OFFICE BUILDING, 95 FRANKLIN STREET, BUFFALO, NEW YORK 14202 (716) 858-6395



**COUNTY OF ERIE  
DIVISION OF PURCHASE  
BID SPECIFICATIONS  
BID # 213085-002**

Ship to: County of Erie  
Attention: Southtowns District #3  
Address: 3690 Lakeshore Road  
Buffalo, NY 14219

Ship Via:

Required at Destination: AS NEEDED

ITEM NO.	QUAN- TITY	U/M	CATALOG NO./DESCRIPTION	UNIT PRICE	TOTAL PRICE
			VENDOR TO SUPPLY VARIOUS AIR FILTERS AS DESCRIBED ON PAGE 2A (BID SPECIFICATIONS)		
			NOTE: ON PAGE 2A SEE "NOTE" AT BOTTOM OF PAGE OUTLINING PRE-BID REQUIREMENTS FOR ALL BIDDERS (VERIFYING SIZES AND QUANTITIES)		
			PRICES MUST BE FIRM FOR THE DURATION OF THE CONTRACT AND SHIPPING COST MUST BE INCLUDED IN YOUR COST.		
			TERM: JUNE 1, 2013 THROUGH FEBRUARY 1, 2014. DELIVERIES THREE TIMES PER YEAR STARTING JUNE 1, 2013. OCTOBER 1, 2013 AND FEBRUARY 1, 2014.		

**NOTE:** Bid results cannot be given over the phone. All requests for bid results should be submitted in writing or faxed to:

**ERIE COUNTY DIVISION OF PURCHASE**  
Freedom of Information Officer  
95 Franklin Street, Rm. 1254  
Buffalo, NY 14202  
FAX #: 716/858-6465

TOTAL NET BID DELIVERED INSIDE

2934, 15

NAME OF BIDDER

(Rev. 9/95) **ERIE COUNTY OFFICE BUILDING, 95 FRANKLIN STREET, BUFFALO, NEW YORK 14202**  
**(716) 858-6395**

COUNTY OF ERIE, STATE OF NEW YORK  
DIVISION OF PURCHASE  
INVITATION TO BID #213085-002

PAGE 2A  
95 FRANKLIN ST, ROOM 1254  
BUFFALO, NY 14202

#### SPECIFICATIONS

To purchase replacement air filters on as needed basis for the HV, HVAC & Air Handling Units at 3690 Lakeshore Rd, Buffalo, NY 14219.  
Specs as follows: 100% polyester synthetic fiber woven together to produce a three-stage panel filter, first stage to catch larger particles, second stage to catch smaller which is treated with a non-migrating tackifier to catch & hold the smallest particles, the third ply is a dry tightly woven layer to enclose the tackifier & prevent any bypass or fiber break-off. Filtration shall meet the MERV.8 standard @ 1496 CFM.

Filtration media is to surround a wire to wire construction made up of 9 gauge galvanized wire support frame with two cross-bars for added support, sealed & bound by heat-sealed construction designed for commercial/industrial applications. Classified as to flammability, Class 2, 923X from Underwriter's Laboratories. The finished filters shall be sized as listed in the "Filters required" section below.  
Delivery: All filters are to be delivered to 3690 Lakeshore Rd, Buffalo, NY 14219 three times per year starting on June 1, October 1 & February 1. Delivery times will be between 8:30 a.m. & 3:30 p.m. Monday thru Friday on the delivery day or next business day. Shipping costs will be included into the cost of the product & service. If additional releases for individual units or across the board are requested during the calendar year, the cost per release shall be extended to additional releases per unit with no additional fees or surcharges. Delivery schedule will be set up at the time of additional releases when requested. All packages shall be labeled & boxed to show proper unit to be installed into.

#### Filters required:

1. AC-1 (25 x 58) quantity of 2 per release 3 times per year as indicated.
2. AC-2, AC-3, AC-5, HV-13 (16 x 50) quantity of 8 per release 3 times per year as indicated.
3. AC-4 (16 x 48) quantity of 4 per release 3 times per year as indicated.
4. AC-6 (20 x 56) quantity of 2 per release 3 times per year as indicated.
5. AC-7 (25 x 122) quantity of 3 per release 3 times per year as indicated.
6. HV-1, HV-10 (20 x 122) quantity of 12 per release 3 times per year as indicated.
7. HV-4, HV-5 (16 x 47) quantity of 8 per release 3 times per year as indicated.
8. HV-6 (25 x 110) quantity of 2 per release 3 times per year as indicated.
9. HV-7 (20 x 91) quantity of 2 per release 3 times per year as indicated.
10. HV-8 (20 x 48) quantity of 2 per release 3 times per year as indicated.
11. HV-9 (20 x 116) quantity of 3 per release 3 times per year as indicated.
12. HV-11 (25 x 94) quantity of 2 per release 3 times per year as indicated.
13. HV-12 (25 x 112) quantity of 4 per release 3 times per year as indicated.
14. HV-14 (20 x 86) quantity of 4 per release 3 times per year as indicated.

NOTE: All HVAC units need to be measured to verify size & quantity for this RFQ. All sizes will be the responsibility of the vendor to fit accordingly & labeled as such for each unit. Appointments for measure can be made at Southtowns 716-823-8188 through Chuck Yung or Andy McKeown.

## County of Erie

DIVISION OF PURCHASE

15. THE SUCCESSFUL BIDDER TO WHOM THE BID IS AWARDED SHALL INDEMNIFY AND HOLD HARMLESS the County of Erie and its agents and employees from and against all claims, damages, losses or causes of action arising out of or resulting from such vendor's performance pursuant to this bid.
16. THIS BID IS FIRM AND IRREVOCABLE for a period of 45 days from the date and time of the bid opening. If a contract is not awarded within the 45 day period, a bidder to whom the bid has not been awarded, may withdraw his bid by serving written notice of his intention to do so upon the Division of Purchase. Upon withdrawal of the bid pursuant to this paragraph, the Division of Purchase will return any security deposit that may have been required.
17. PRICES CHARGED TO THE COUNTY OF ERIE are to be no higher than those offered to any other governmental or commercial consumer. If a bidder has a New York State or a Federal GSA contract for any of the items covered in this bid or any similar items, he shall so indicate that he has said contract on these bid papers and automatically supply a copy of this contract within five days after notification of award.
18. PRICE IS FIRM. The unit prices bid shall remain firm, and any other charges bid shall also remain firm, for delivery of the equipment, material, work, or services described in this bid. No cost increase shall be charged for any reason whatsoever.
19. EXTENSION OF PRICE PROTECTION. Any contract entered into pursuant to this bid to supply the County's requirements of goods and/or services for a definite period of time as stated in the attached specifications may be extended for not more than two successive periods of equal length at the same bid price upon the mutual agreement of successful bidder and the County. All extensions shall be submitted in writing and shall have prior approval by the County of Erie, Director of Purchase.
20. ACCOUNTABILITY. The undersigned shall be fully accountable for his or its performance under this bid, or any contract entered into pursuant to this bid, and agrees that he, or its officers, will answer under oath all questions relevant to the performance thereof and to any transaction, act or omission had, done or omitted in connection therewith if called before any Judicial, County or State Officer or agency empowered to investigate the contract or his performance.
21. QUANTITIES INDICATED ARE ESTIMATES ONLY, based on reliable data collected and are reasonably correct. However, these quantities may be increased or decreased in accordance with actual requirements, the County is not to be held to order exact quantities shown.
22. IN THE EVENT ANY ITEM OR ITEMS in this bid are made available to the County on a Government Contract at a unit price lower than that price on which award was made to the low bidder, the County reserves the right to purchase at the lower price under Government Contract.
23. TERMINATION OF AGREEMENT:
  - a. At its option the County may at any time for any reason terminate this agreement and the Contractor shall immediately cease all work under the agreement upon receipt of written notice of such termination from the County.
  - b. In the event of termination for any reason other than the fault of the Contractor, or the nonavailability of funds as provided in the above Executory Clause, the Contractor shall be paid the amount due to date of termination, and all reasonable expenses caused by such termination.
24. THE SUCCESSFUL BIDDER TO WHOM THE BID IS AWARDED SHALL INDEMNIFY AND HOLD HARMLESS the County of Erie and its agents and employees from and against all claims, damages, losses or causes of action arising out of or resulting from such vendor's performance pursuant to this bid.
25. STATUS AS AN INDEPENDENT CONTRACTOR. The successful Bidder to whom the bid is awarded and the County agree that the Bidder and its officers, employees, agents, contractors, subcontractors and/or consultants are independent contractors and not employees of the County or any department, agency or unit thereof. In accordance with their status as independent contractors, the Bidder covenants and agrees that neither the Bidder nor any of its officers, employees, agents, contractors, subcontractors and/or consultants will hold themselves out as, or claim to be, officers or employees of the County or any department, agency or unit thereof.
26. GOVERNED BY NEW YORK LAW: This Agreement shall be construed and enforced in accordance with the laws of the State of New York. In addition, the parties hereby agree that for any cause of action arising out of this Agreement shall be brought in the County of Erie.

ERIE COUNTY OFFICE BUILDING, 25 FRANKLIN STREET, BUFFALO, NEW YORK 14202 (716) 858-6395



**COUNTY OF ERIE**  
**MARK C. POLONCARZ**  
**COUNTY EXECUTIVE**  
**DIVISION OF PURCHASE**

**PURCHASES BY OTHER LOCAL GOVERNMENTS OR SPECIAL DISTRICTS**

The Erie County Legislature has adopted the following resolution for the purpose of allowing the following-named local governmental or school districts to make purchases through the County bidding procedures.

Under the following conditions, the Director of Purchase may make purchasing services available to the following 88 participants:

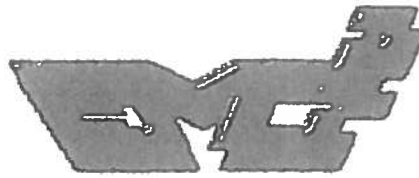
1. When in the opinion of the Director of Purchase it will not create any burden or hardship upon the County and the anticipated prices will not be adversely affected thereby, the Director is authorized when he deems appropriate and as may be requested by the participants to provide in any particular County bid specification that the participants in Erie County shall have the right to make purchases based upon the bids received by the County.
2. The County Purchase Director, within the limits of his time and manpower, shall disseminate relevant contract information to the participants.
3. The participants in County contracts will issue purchase orders directly to vendors within the specified contract period referencing the County contract involved and be liable for any payments due on such purchase orders.

Bidders shall take notice that as a condition of the award of a County contract pursuant to these specifications, the successful bidder agrees to accept the award of a similar contract with any of the participants in Erie County if called upon to do so. The County, however, will not be responsible for any debts incurred by participants pursuant to this or any other agreement.

Necessary deviations from the County's specifications in the award of a participant's contract, particularly as such deviations may relate to quantities or delivery point, shall be a matter to be resolved between the successful bidder and participants. All inquiries regarding prospective contracts shall be directed to the attention of:

AKRON CENTRAL SCHOOL DISTRICT, District Clerk, 47 Bloomingdale Ave., Akron, NY 14001  
 AKRON VILLAGE OF, Clerk-Treasurer, 21 Main St., Akron, NY 14001  
 ALDEN CENTRAL SCHOOL DISTRICT, District Clerk, 13190 Park St., Alden, NY 14004  
 ALDEN TOWN OF, Town Clerk, Town Hall, 11901 Broadway, Alden, NY 14004  
 ALDEN VILLAGE OF, Village Clerk, 13336 Broadway, Alden, NY 14004  
 AMHERST CENTRAL SCHOOL DISTRICT, Business Manager, 4301 Main St., Amherst, NY 14228  
 AMHERST TOWN OF, Highway Superintendent, Town Hall, 5583 Main St., Williamsville, NY 14221  
 AMHERST TOWN OF, Town Supervisor, Town Hall, 5583 Main St., Williamsville, NY 14221  
 ANGOLA VILLAGE OF, Clerk-Treasurer, 41 Commercial St., Angola, NY 14006  
 AURORA TOWN OF, Town Clerk, Town Hall, 5 S. Grove St., E. Aurora, NY 14052  
 BLASDELL VILLAGE OF, Clerk-Treasurer, 121 Miriam St., Blasdell, NY 14219  
 BOCES, ERIE #1, Clifford N Crooks Svc. Ctr., 355 Harlem Rd. West Seneca, NY 14224-1892  
 BOCES, ERIE CATTARAUGUS #2, Assistant Superintendent, 3340 Baker Rd., Orchard Park, NY 14127  
 BOSTON TOWN OF, Town Clerk, Town Hall, 8500 Boston State Rd., Boston, NY 14025  
 BRANT TOWN OF, Town Clerk, Town Hall, Brant North Collins Rd., Brant, NY 14027  
 BUFFALO BOARD OF EDUCATION, Purchasing Agent, 408 City Hall, Buffalo, NY 14202  
 BUFFALO CITY OF, Division of Purchasing, 1901 City Hall, Buffalo, NY 14202  
 BUFFALO SEWER AUTHORITY, General Manager, 1038 City Hall, Buffalo, NY 14202-3378  
 CHEEKTOWAGA CENTRAL SCHOOL DISTRICT, 3600 Union Rd., Cheektowaga, NY 14225  
 CHEEKTOWAGA-MARYVALE UNION FREE SCHOOL DISTRICT, District Clerk, 1050 Maryvale Dr., Cheektowaga, NY 14225-2386  
 CHEEKTOWAGA-SLOAN UNION FREE SCHOOL DISTRICT, District Clerk, 166 Halstead Ave., Sloan, NY 14212-2295  
 CHEEKTOWAGA TOWN OF, Town Hall, Broadway & Union Rds., Cheektowaga, NY 14227  
 CLARENCE CENTRAL SCHOOL DISTRICT, Business Administrator, 9825 Main St., Clarence, NY 14031-2083  
 CLARENCE TOWN OF, Town Clerk, 1 Town Place, Clarence, NY 14031  
 CLEVELAND HILL FIRE DISTRICT NO. 6, Secretary, 440 Cleveland Dr., Cheektowaga, NY 14225  
 CLEVELAND HILL U.F.S.D. @ CHEEKTOWAGA, Business Manager, 105 Mapleview Dr., Cheektowaga, NY 14225



**E.M. CAHILL COMPANY, INC.****"INDOOR AIR QUALITY EXPERTS"**

519 South Wilbur Ave, Syracuse, NY 13204

Toll-free (800)721-7137 / Fax (315)472-5051

<b>DATE: 01/23/13</b>					
<b>COMPANY NAME: SOUTHTOWNS A. WT. FACILITY</b>					
<b>ADDRESS: S - 3690 LAKESHORE RD., BUFFALO, NY 14219</b>					
<b>ATTENTION: MR. CHUCK YUNG</b>					
<b>AIR FILTERS FOR HVAC</b>					
<b>(SURVEY / QUOTATION)</b>					
<b>SYSTEM I.D.</b>	<b>BUILDING # / LOCATION</b>	<b>FILTER QTY.</b>	<b>SIZE</b>	<b>MODEL # TYPE</b>	<b>CHANGE FREQUENCY</b>
AC-3	BASEMENT	2	16 X 50	SERIES 154 3/PLY LINK	3X/ YEAR
AC-4	BASEMENT	4	16 X 48	SERIES 154 3/PLY LINK	3X/ YEAR
AC-7	BASEMENT	3	25 X 122	SERIES 154 3/PLY LINK	3X/ YEAR
HV-9	BASEMENT	3	20 X 116	SERIES 154 3/PLY LINK	3X/ YEAR
HV-10	BASEMENT	6	20 X 122	SERIES 154 3/PLY LINK	3X/ YEAR
AC-5	MEZZ	2	16 X 50	SERIES 154 3/PLY LINK	3X/ YEAR
HV-11	MEZZ	2	25 X 94	SERIES 154 3/PLY LINK	3X/ YEAR
HV-1	IN & EFF	6	20 X 122	SERIES 154 3/PLY LINK	3X/ YEAR
HV-4	SAND FILTER	4	16 X 47	SERIES 154 3/PLY LINK	3X/ YEAR

**E.M. CAHILL COMPANY, INC.****"INDOOR AIR QUALITY EXPERTS"**

519 South Wibur Ave Syracuse, NY 13204

Toll-free (800)721-7137 / Fax (315)472-5051

<b>DATE: 01/23/13</b>					
<b>COMPANY NAME: SOUTHTOWNS A. WT. FACILITY</b>					
<b>ADDRESS: S - 3690 LAKESHORE RD., BUFFALO, NY 14219</b>					
<b>ATTENTION: MR. CHUCK YUNG</b>					
<b>AIR FILTERS FOR HVAC (SURVEY / QUOTATION)</b>					
<b>SYSTEM I.D.</b>	<b>BUILDING # / LOCATION</b>	<b>FILTER QTY.</b>	<b>SIZE</b>	<b>MODEL # TYPE</b>	<b>CHANGE FREQUENCY</b>
HV-5	SAND FILTER	4	16 X 47	SERIES154 3/PLY LINK	3X/ YEAR
HV-6	FERRIC CHLORIDE	2	25 X 110	SERIES154 3/PLY LINK	3X/ YEAR
AC-6	LAB	2	20 X 56	SERIES 154 3/PLY LINK	3X/ YEAR
AC-2	LAB	2	16 X 50	SERIES 154 3/PLY LINK	3X/ YEAR
AC-1	SHOP	2	25 X 58	SERIES 154 3/PLY LINK	3X/ YEAR
HV-8	LIME	2	20 X 48	SERIES 154 3/PLY LINK	3X/ YEAR
HV-7	LIME	2	20 X 91	SERIES 154 3/PLY LINK	3X/ YEAR
HV-13	NORTH CORRIDOR	2	16 X 50	SERIES 154 3/PLY LINK	3X/ YEAR
HV-12	UPPER SLUG	4	25 X 112	SERIES 154 3/PLY LINK	3X/ YEAR
HV-14	ROOF	4	20 X 86	SERIES 154 3/PLY LINK	3X/ YEAR



**E.M. CAHILL COMPANY, INC.**  
**"INDOOR AIR QUALITY EXPERTS"**

519 South Wilbur Ave, Syracuse, NY 13204  
 Toll-free (800)721-7137 / Fax (315)472-5051

<b>OVERVIEW</b>						
<b>SOUTHTOWNS A.WT. FACILITY * MR. CHUCK YUNG * 01/23/13</b>						
<b>TOTAL ANNUAL QTY. REQUIRED</b>	<b>TOTAL RELEASE QUANTITY</b>	<b>RELEASE(S) PER YEAR</b>	<b>SIZE</b>	<b>MODEL &amp; TYPE</b>	<b>COST EACH</b>	<b>ANNUAL EXTENSION</b>
24	8	3	16 X 50	SERIES 154 3/PLY LINK	\$8.60	\$206.40
12	4	3	16 X 48	SERIES 154 3/PLY LINK	\$8.50	\$102.00
9	3	3	25 X 122	SERIES 154 3/PLY LINK	\$26.05	\$234.45
9	3	3	20 X 116	SERIES 154 3/PLY LINK	\$22.60	\$203.40
36	12	3	20 X 122	SERIES 154 3/PLY LINK	\$23.15	\$833.40
24	8	3	16 X 47	SERIES 154 3/PLY LINK	\$8.55	\$205.20
6	2	3	25 X 94	SERIES 154 3/PLY LINK	\$23.15	\$138.90
6	2	3	20 X 56	SERIES 154 3/PLY LINK	\$12.20	\$73.20
6	2	3	25 X 58	SERIES 154 3/PLY LINK	\$14.05	\$84.30
6	2	3	20 X 48	SERIES 154 3/PLY LINK	\$9.20	\$55.20
6	2	3	20 X 91	SERIES 154 3/PLY LINK	\$17.90	\$107.40
12	4	3	20 X 86	SERIES 154 3/PLY LINK	\$17.50	\$210.00
6	2	3	25 X 110	SERIES 154 3/PLY LINK	\$24.75	\$148.50
12	4	3	25 X 112	SERIES 154 3/PLY LINK	\$27.65	\$331.80
<b>TOTAL ANNUAL COST</b>					<b>\$2,934.15</b>	
<b>TERMS: NET 30 / F.O.B. (S.P.) FFA(FULL FREIGHT ALLOWED</b>					<b>DELIVERY: AS PER SCHEDULE</b>	

RELEASE SCHEDULE

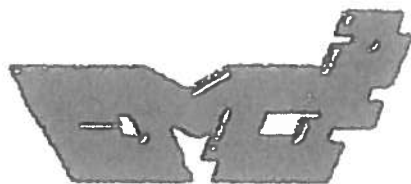
**3X/ YEAR**

1) 06/01/13

2) 10/01/13

3) 02/01/14

Page 1 of 1

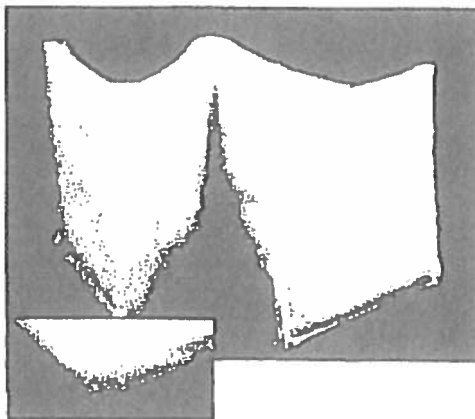


**EM CAHILL COMPANY, INC**  
**"INDOOR AIR QUALITY EXPERTS"**

519 South Wilbur Ave, Syracuse, NY 13204  
Toll-free (800)721-7137 / Fax (315)472-5051

**PRODUCT DESCRIPTION**

**SERIES 154** is a premium grade, 100% synthetic fiber, three stage panel filter. The Series 154 three stage panel features a dry open web on the air entering side, serving as a first stage pre-filter, catching only the larger particles. Smaller particles are caught by the second ply of finer denier fibers, which is treated with a non-migrating tackifier to catch and hold the smallest particles. The third ply is a dry tightly woven layer to enclose the tackifier and prevent any bypass or fiber break-off.



**APPLICATIONS**

**SERIES 154** panels are designed for use in commercial and industrial applications requiring higher levels of performance. Tested at a MERV 8 efficiency rating, Series 154 panels and links are highly effective in typical HVAC applications and as a pre-filter to high efficiency filters.

**UNIQUE FEATURES**

All **SERIES 154** links are manufactured using "wire to wire" construction. This method of construction allows for effort free installation when compared to competitors links that incorporate a large "gap" between each panel. Quicker installation means fewer preventative maintenance man hours.

**CONSTRUCTION**

- 9 Gauge Galvanized Internal Wire Support Frame with Two Cross Bars
- Self-Sealing Gasket
- Heat-Sealed Construction
- Aggressive wet non-migrating tackifier
- Three Stage Filtration
- Designed for rugged commercial/industrial applications
- Underwriter's Laboratories: Classified as to flammability, Class 2, 923X

**SERIES-154 3-PLY POLYESTER PANEL & LINK FILTERS**

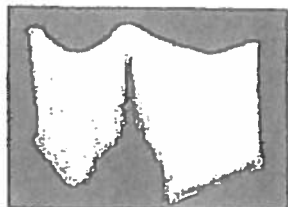
## 3-PLY POLYESTER PANELS & LINKS VS. CARDBOARD PLEATED FILTERS

### \* 3-PLY POLYESTER PANELS & LINK FILTERS \*

#### UNIQUE FEATURE

#### ADVANTAGE

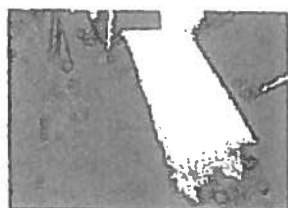
#### BENEFIT



Multi-layer graduated density  
"Compression Fit" Gasketing  
9 Gauge Galvanized Wire  
Frame with (2) cross bars/panel  
100% Polyester Media - #2

Enhances depth loading  
No By-Pass  
Rigid construction  
(no vibration)  
Unaffected by Moisture  
(Rain, Snow, Humidity)

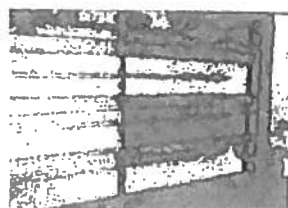
Longer Service Life  
Higher System Efficiency  
Will Not Self-Destruct  
Due to the Elements  
Maintains its Original  
Shape Throughout  
Life Cycle



Tackifier Applied to Media  
Linked Heat Seal Construction

Holds Trapped Dirt Particles  
in Place  
Eliminates Distortion and  
Bypass

Prevents "Sifting" of  
Collected Particles  
Back Into the Airstream  
Higher System Efficiency



Wire to Wire Construction  
Sized to Fit  
Custom Linked Construction  
100% Polyester Media - #1  
Polyester Panels & Links  
Are Ordered in Exact Quantities

Ease of Installation and  
Removal  
Reduction in Over All  
Filter Sizes Required  
Will Not Support the Growth  
Microbiological Organisms  
Fewer, Lighter, Less Bulky Boxes

Reduction in Man Hours  
Associated with Filter PM's  
Filter Size  
Standardization  
Promotes Improved Indoor  
Air Quality  
Easier to Carry to  
Respective AHU's

### \* CARDBOARD PLEATS \*

#### FEATURE

#### DISADVANTAGE

Single Layer of Media  
Cardboard Frame #1  
Cardboard Frame #2  
Cardboard Pleat Stabilizers  
Dry Media  
Single Panel Construction #1  
Packaged in 10 or 12/Box  
Single Panel Construction #2

Face loads, Short service life  
Allows By-Pass of Contaminants around  
or between filters  
Allows Dirt unloading due to  
vibration  
Distorts in High Moisture  
(Rain, Snow, & Humidity)  
Allows Dirt to "Sift" or Unload Back Into  
the Airstream  
"Fish Hooking" Required to Remove  
Spent Filters  
Large Bulky Boxes Require Space for  
Storage & Inventory Maintenance  
Multiple Sizes Required to Make-up  
Filter Rack Configuration

